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<u>Month</u>	<u>No of Operating Combines</u>	<u>Avg Mine Face Length (m)</u>	<u>Avg Seam Productivity (t/sq m)</u>	<u>Monthly Combine Productivity</u>	<u>Avg Advance of Combine Along Mine Face per Shift (m)</u>
<u>1949</u>					
Nov	14	146	1.68	5,172	29.8
Dec	15	154	1.59	5,163	31.4
Yearly Average	9.7	173	1.77	5,060	29.0
<u>1950</u>					
Jan	17	158	1.77	5,453	28.4
Feb	15	161	1.65	5,216	31.0
Mar	16	163	1.66	6,332	32.5
Apr	18	155	1.62	5,662	29.0
Average	16.5	160	1.68	5,700	30.2

The use of these combines greatly boosted the Chistyakovntratsit Trust's anthracite output, as is shown in the following table:

<u>Period 1949</u>	<u>Extraction</u>		<u>Area of Mine Face Cut</u>	
	<u>Tons</u>	<u>Percent</u>	<u>Sq/m</u>	<u>Percent</u>
1st quarter	57,606	100	31,420	100
2d quarter	129,146	224	72,400	230
3d quarter	177,706	308	100,400	324
4th quarter	221,494	385	129,500	415
Total	585,952	-	333,720	-
<u>1950</u>				
1st quarter	254,808	438	150,000	480
Apr	89,466	-	55,400	-

The Donbass combine has been in use at the 21st western face and the 20th eastern face of Krasnaya Zvezda Mine, the 12th and 13th eastern faces and the 1st western face of Mine No 3-bis, the 1st eastern face and the 3d western face of the Mine imeni Lutugin, the 8th western face of Mine No 17-bis, the 8th western face of Mine No 2, and the 3d western face of Mine No 100.

- 2 -

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RAISING THE PRODUCTIVITY OF KUZBASS MINE

I. M. Tolstikhin

In April 1949, the Leninugol' Trust of the Kemerovugol' Combine began to use the Donbass combine in the Mine imeni S. M. Kirov at the mine face No 3 which works the Yemel'yanovskiy seam. This seam is 1.1 meters thick, dips at an angle of 7 degrees, and the side walls are of soft argillite. Operations with the combine at this mine face, however, were soon discontinued because of repeated breaks in the roof and the combine was used instead at the 140-meter-long mine face No 22 which works the Boldyrevskiy seam. This seam is 1.6-1.8 meters thick, dips at an angle of 6-7 degrees, and the side walls are of moderately firm argillite.

Since the combine's cutting bar is only one meter high, its operation left 0.6-0.8 meter of coal in the roof. After the combine had passed by, this coal was loosened, thus interfering with the propping of the mine face. At the suggestion of innovators, a combine was provided with a hinged ring-shaped cutting bar, 1.45 meters high, and was put into use at the mine faces No 22 and 23 of the Boldyrevskiy seam.

The best results from the use of the Donbass combine were achieved by section No 10 which works the Snyatkovskiy seam at mine face No 25, 130 meters long. The Snyatkovskiy seam is 1.4 meters thick and dips at an angle of 7 degrees. The cutting bar of the combine was, in this case, 1.3 meters high.

Work at the mine face is organized on a schedule of one cycle per 24 hours, consisting of two coal-extraction shifts and one repair and development-work shift. The workers of the section have been regularly completing a cycle every 24 hours with the aid of the Donbass combine. The quarterly plan for coal extraction was fulfilled 116.3 percent and for labor productivity 130 percent. The number of workers at the mine face has been decreased by 22. Above-plan coal extraction amounted to 4,150 tons. During March 9,500 tons of coal were mined by the Donbass combine.

Mine workers have made a number of suggestions aimed at a more efficient use of combines and mastery of operational details in a short time. At present an experiment with two combines, one on top of the other, is being carried out in the Zhurinka-3 Mine to remove a seam 2 meters thick.

In spite of the relatively short period, the combines in the Mine imeni Kirov have made substantial achievements, but are still far behind those of the outstanding mines of the Donets Basin.

- E N D -

- 3 -

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